

**THURSDAY 20<sup>TH</sup> JUNE (DAY 3)**  
**SHAPING THE FUTURE TODAY TOGETHER**

The practical action we can take now to create the skills, tools and technologies to revolutionise our preparedness and awareness, the way we communicate and respond to incidents both inland and at the coast.

*Sessions in blue are free to attend and open to both exhibition visitors and conference delegates.*

**MORNING SESSIONS (0915-1315)****PLENARY: SHAPING THE FUTURE TODAY TOGETHER**

Speakers will include:-

- Dr Teresa Bridgeman, West Somerset Flood Group
- Myra Hunt, Chief Digital Officer, Defra
- Rob Davis, National Fire Chiefs' Flood Lead
- John Englander, Oceanographer and Sea Level Rise Expert

**INCIDENT PREPAREDNESS**

*Chair: Carol Holt, Deputy Director Preparedness & Response, Environment Agency*

- Should we be treating flood incident management as a public health measure? – Matt Georges, Principal economist, Environment Agency
- I-REACT; the first modular, real-time, multi-hazard, action based warning system – Martin Dolan, Aquobex
- Ark: The National Flood Resilience Centre – Rob Thomas, Senior research fellow, University of Hull
- Incident management digital change – Peter Connolly, Incident management digital service manager, Environment Agency
- Living Lab Hedwige and Prosperpolder – Ludolph Wentholt, STOWA (Foundation for Applied Water Research)
- Measuring the unmeasurable: innovation and collaboration transforming flood flow measurements – Nick Everard, Technical advisor hydrometry, Environment Agency

**LET'S GET DIGITAL! FUTURE TECHNOLOGY FOR FCERM – DISCOVERY**

*Chair: Andy Moores, FCRM research manager, Environment Agency*

- Balancing ambition and pragmatism in the age of “Big Data” – Sean Whelan, Flood risk consultant, Atkins/SNC-Lavalin
- The national network of coastal monitoring programmes - the value of long-term, integrated monitoring to provide the evidence base for coastal management – Charlie Thompson, Director, Channel Coastal Observatory
- Autonomous, near real-time coastal monitoring with ground-based remote sensors. coastal big data analytics; challenges and opportunities for the FCERM – Cai Bird, Director of marine research, Marlan Technologies
- A new approach to asset management and investment - Digital Twin – Jonathan Morgans, Operations director, Royal HaskoningDHV
- Flood & Coast management in 2040 an interactive journey into future technology – Jon Wicks, Global technology leader, Jacobs
- The use of unmanned aerial vehicles to estimate direct tangible losses to residential properties from flood events – Monica Rivas Casado, Senior Lecturer, Cranfield University
- TEAM2100 - innovation in data acquisition, processing, storage, accessibility and usage – Dan Culli, GIS manager, TEAM2100
- Digital technologies to enable a step change in the modelling and collaborative development of national-scale flood mapping – Robert Berry, Head of technology, JBA Consulting
- How disruptive innovation can be incubated in any NGO or large business with minimal change to the procurement process – Alexis Smith, CEO, IMGeospatial
- New field measurements that inform coastal flood hazard management – Jenny Brown, Coastal researcher, National Oceanography Centre
- Advanced inspection techniques – Colin Lee, Business manager, Atkins

**AN INDUSTRY FIT FOR THE FUTURE – SKILLS WORKSHOP**

*Chair: Catherine Wright, Director digital & skills, Environment Agency*

- Innovation through effective partnership - a Local Authority Perspective - Mark Stratton, Coastal policy, strategy & environment team manager - The Eastern Solent Coastal Partnership
- All Reservoirs Panel Engineers - the looming skills crisis - Rachel Pether, All reservoirs panel engineer/delivery director - Black & Veatch
- Teams Behaving Badly - Using Behavioural Science to Improve Project Performance - Karen House, Director, Peaton
- Cultivating Talent - Rebecca Sharpe, Catchment engineer, Environment Agency
- Knowledge, opportunity and shared understanding: how future skills transcend “training” - Alex Scott, Programme manager - JBA Trust
- FACE programme: some learning points in flood and coastal erosion risk management - David Ramsbottom, Technical director, HR Wallingford

**FUTURE PROJECT & PROGRAMME DELIVERY – INCLUDING ENVIRONMENT AGENCY “NEXT GENERATION SUPPLIER ARRANGEMENTS”**

*Chair: Jo Jolly, Deputy director programme and contract management, Environment Agency*

- Collaboration in engineering innovation – Andrew Powell, Innovation manager, Environment Agency
- Mobilising the Next Generation Supplier Arrangements - Andy Wilkinson, Deputy programme director, Environment Agency
- The future of asset management – Andrew Pearce, Deputy director asset management, Environment Agency

## **AFTERNOON SESSIONS (1430-1745)**

### **CLIMATE RESILIENCE – THE TIME TO ACT PANEL**

*Chair: Innes Thomson, Chief executive, Association of Drainage Authorities (ADA)*

- COASTBUSTERS: an integrated approach to ecosystem based coastal protection – Tomas Sterckx, Project manager, Dredging International BV DEME
- Grey swan storm surges pose greater risk of East Coast flooding than climate change – Kevin Horsburgh, Chief scientist, National Oceanography Centre
- Climate resilience: time to connect the dots and break down the silos – Anusha Shah, Founder & CEO, Plan for Earth
- National coordination on water allocation in the Netherlands during drought 2018 – Bart Vonk, Senior advisor water safety, Rijkswaterstaat

### **LET'S GET DIGITAL! – Session 2**

*Programme to be announced*

### **A NATIONAL FCERM STRATEGY THAT SETS THE VISION OUT TO 2100 - EFFECTIVE COMMUNICATIONS FOR BEHAVIOUR CHANGE**

*Programme to be announced*

### **HOW EXERCISING CAN IMPROVE THE HEALTH OF OUR EMERGENCY PLANS**

*Chair: Caroline Douglass, Director for Incident Management and Resilience, Environment Agency*

**Conference closes at 1600 hours.**

*Please note: sessions and speakers are subject to change without notice – please check back for updates.*